

10/087/316

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(FILE 'HOME' ENTERED AT 10:52:49 ON 05 AUG 2002)

FILE 'CA' ENTERED AT 10:52:58 ON 05 AUG 2002

E ANGELL ADRIAN JOHN WAYNEFORTH/AU

L1 22 S E1-E2, E4  
E FRANCE PAUL AMAAT/AU  
L2 38 S E1-E9  
L3 21180 S CYCLODEXTRIN#  
L4 1 S L2 AND L3  
L5 352 S CYCLODEXTRIN#(P) (INORGANIC OR SULFATE# OR SULPHATE# OR  
CARBON  
L6 10 S DETERGENT# AND L5  
L7 180231 S PARTICLE SIZE#  
L8 9 S L5 AND L7  
L9 1000 S CYCLODEXTRIN#(6A) (GRANUL? OR AGGLOMERATE# OR ADDITIVE# OR  
EXT  
L10 21 S DETERGENT# AND L9  
L11 2352 S CYCLODEXTRIN#(P) (INORGANIC OR SULFATE# OR SULPHATE# OR  
CARBON  
L12 51 S DETERGENT# AND L11  
L13 1 S L7 AND L12  
L14 41 S L12 NOT L6

FILE 'USPATFULL' ENTERED AT 11:30:29 ON 05 AUG 2002

L15 158 S L13  
L16 295 S L8  
L17 4 S CYCLODEXTRIN#(P) (INORGANIC OR SULFATE# OR SULPHATE# OR  
CARBON  
L18 117 S L15 AND (ENZYME# OR PROTEASE# OR AMYLASE# OR LIPASE#)  
L19 49 S CYCLODEXTRIN?(P) AGGLOMERAT?  
L20 42 S L10  
L21 34 S L20 NOT L19

=>

L1 22 ("ANGELL A"/AU OR "ANGELL ADRIAN J W"/AU OR "ANGELL ADRIAN  
JOHN WAYNFORTH"/AU)

=> d 1-22 11 ti

L1 ANSWER 1 OF 22 CA COPYRIGHT 2002 ACS

TI GW273629 is a highly-selective, short-acting iNOS (NOS-2) inhibitor both  
in vitro and in vivo: Beneficial effects in endotoxin shock

L1 ANSWER 2 OF 22 CA COPYRIGHT 2002 ACS

TI GW274150 is a potent, long-acting, highly-selective inhibitor of  
inducible  
nitric oxide synthase (NOS-2) with therapeutic potential in  
post-operative  
ileus

L1 ANSWER 3 OF 22 CA COPYRIGHT 2002 ACS

TI Detergent composition having granular cyclodextrin

L1 ANSWER 4 OF 22 CA COPYRIGHT 2002 ACS

TI Improving the effervescence of a laundry detergent product

L1 ANSWER 5 OF 22 CA COPYRIGHT 2002 ACS

TI Continuous process for the manufacture of high-density detergent  
involving  
a moderate speed mixer/densifier

L1 ANSWER 6 OF 22 CA COPYRIGHT 2002 ACS

TI Non-particulate detergent containing cylindrically-shaped bleach  
activator  
chopped into small particles and washing garments

L1 ANSWER 7 OF 22 CA COPYRIGHT 2002 ACS

TI Electrostatically coated non-particulate detergent product

L1 ANSWER 8 OF 22 CA COPYRIGHT 2002 ACS

TI Detergent composition containing cylindrically-shaped bleach activator  
extrudates having flowability enhancer

L1 ANSWER 9 OF 22 CA COPYRIGHT 2002 ACS

TI Detergent composition containing cylindrically-shaped bleach activator  
extrudates with stability and detergents for sanitizing fabrics

L1 ANSWER 10 OF 22 CA COPYRIGHT 2002 ACS

TI Agglomeration process for producing a particulate modified  
polyamine/carrier detergent admix

L1 ANSWER 11 OF 22 CA COPYRIGHT 2002 ACS

TI Detergent composition containing cylindrically-shaped bleach activator  
extrudates with stability

L1 ANSWER 12 OF 22 CA COPYRIGHT 2002 ACS

TI A process for making a free-flowing particulate dye-transfer-inhibiting  
detergent admix

L1 ANSWER 13 OF 22 CA COPYRIGHT 2002 ACS

TI Process for producing a particulate laundry additive composition for  
perfume delivery

L1 ANSWER 14 OF 22 CA COPYRIGHT 2002 ACS  
TI Process for producing a particulate laundry additive composition for  
perfume delivery

L1 ANSWER 15 OF 22 CA COPYRIGHT 2002 ACS  
TI High density detergent agglomerates using an anhydrous powder additive

L1 ANSWER 16 OF 22 CA COPYRIGHT 2002 ACS  
TI Process for making high density detergent agglomerates

L1 ANSWER 17 OF 22 CA COPYRIGHT 2002 ACS  
TI Preparation of free-flowing detergent powders containing hygroscopic  
polymers

L1 ANSWER 18 OF 22 CA COPYRIGHT 2002 ACS  
TI Process for making high density detergent agglomerates using an anhydrous  
powder additive

L1 ANSWER 19 OF 22 CA COPYRIGHT 2002 ACS  
TI Fabric-softening clay granules coated with white powder for use in  
detergents

L1 ANSWER 20 OF 22 CA COPYRIGHT 2002 ACS  
TI Preparation of granular detergent compositions containing anionic  
surfactants, chelating agents, and polymers

L1 ANSWER 21 OF 22 CA COPYRIGHT 2002 ACS  
TI Kinetics of the Liddle effect and related semeiotic-diagnostic  
considerations on the homonymous test

L1 ANSWER 22 OF 22 CA COPYRIGHT 2002 ACS  
TI Some relations between constitution and odor

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L5 352 CYCLODEXTRIN#(P)(INORGANIC OR SULFATE# OR SULPHATE# OR  
CARBONATE  
# OR SODA ASH OR SILICATE# OR ZEOLITE# OR ALUMINOSILICATE# OR  
PHOSPHATE# OR SILICA OR CLAY OR CITRATE# OR PERBORATE# OR  
TALC) (  
P) (AQUEOUS OR SOLUTION OR WATER OR H2O)

=> s detergent# and l5  
93283 DETERGENT#

L6 10 DETERGENT# AND L5

=> d 1-10 l6 ti

L6 ANSWER 1 OF 10 CA COPYRIGHT 2002 ACS  
TI Deodorizing and/or cleaning carpet using a composition comprising odor  
control agent

L6 ANSWER 2 OF 10 CA COPYRIGHT 2002 ACS  
TI Improved methods of minimizing odors, deodorant compositions, packaged  
deodorants, and fabric articles having odor control

L6 ANSWER 3 OF 10 CA COPYRIGHT 2002 ACS  
TI Deodorant **detergents** for kitchen utensils

L6 ANSWER 4 OF 10 CA COPYRIGHT 2002 ACS  
TI Antibacterial and cleansing composition

L6 ANSWER 5 OF 10 CA COPYRIGHT 2002 ACS  
TI **Detergents** containing granulated perfumes

L6 ANSWER 6 OF 10 CA COPYRIGHT 2002 ACS  
TI Separation of ionic and neutral surfactants by capillary electrophoresis  
and high-performance liquid chromatography

L6 ANSWER 7 OF 10 CA COPYRIGHT 2002 ACS  
TI Cleaning liquid compositions with low COD and BOD values and their  
manufacture

L6 ANSWER 8 OF 10 CA COPYRIGHT 2002 ACS  
TI Methylation of cyclodextrins by phase-transfer catalysis

L6 ANSWER 9 OF 10 CA COPYRIGHT 2002 ACS  
TI Powder **detergent** compositions with reduced enzyme odor

L6 ANSWER 10 OF 10 CA COPYRIGHT 2002 ACS  
TI Defoaming

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L6 ANSWER 5 OF 10 CA COPYRIGHT 2002 ACS  
AN 132:170848 CA  
TI **Detergents** containing granulated perfumes  
IN Lou, Liangshui; Hu, Nengdi; Jiang, Ligang; Gu, Hangjing  
PA Gaochuang Science & Technology Development Co., Ltd., Zhejiang, Peop.  
Rep.

China  
SO Faming Zhuanli Shenqing Gongkai Shuomingshu, 8 pp.  
CODEN: CNXXEV

DT Patent

LA Chinese

IC ICM C11B009-00

ICS C11D003-50

CC 62-4 (Essential Oils and Cosmetics)

FAN.CNT 1

	PATENT NO.	KIND	DATE	APPLICATION NO.	DATE
	-----	---	-----	-----	-----
PI	CN 1188143	A	19980722	CN 1997-106224	19970113
AB	<b>Detergents</b> contain granulated perfumes composed of microcapsulated perfumes [contg. polystyrene or poly(Me methacrylate).] 1, .beta.- <b>cyclodextrin</b> or its deriv. 1-4, and polyoxyethylene nonylphenol ether 0.2-1.0 parts. The <b>detergents</b> have prolonged fragrance. A <b>detergent</b> contained sodium alkylbenzenesulfonate 15, .alpha.-alkylene sulfonates 5, sodium stearate 2, sodium tripolyphosphate 30, sodium <b>carbonate</b> 5, sodium <b>silicate</b> 3, sodium percarbonate 5, fluorescence whitener 0.3, protease and lipase 0.8, granulated perfumes 5, sodium <b>sulfate</b> 22 and <b>water</b> to 100 parts. ST microcapsulated perfume <b>detergent</b> ; granulated perfume <b>detergent</b> IT <b>Detergents</b> Microcapsules Perfumes ( <b>detergents</b> contg. granulated perfumes) IT 7585-39-9, .beta.-Cyclodextrin 9003-53-6, Polystyrene 9011-14-7, Poly(methyl methacrylate) 9016-45-9, Polyoxyethylene nonylphenol ether RL: BUU (Biological use, unclassified); BIOL (Biological study); USES (Uses) ( <b>detergents</b> contg. granulated perfumes)				

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L6 ANSWER 10 OF 10 CA COPYRIGHT 2002 ACS  
 AN 86:92260 CA  
 TI Defoaming  
 IN Honma, Itomi  
 PA Kao Soap Co., Ltd., Japan  
 SO Japan. Kokai, 4 pp.  
 CODEN: JKXXAF  
 DT Patent  
 LA Japanese  
 IC C02C005-02  
 CC 46-4 (Surface Active Agents and Detergents)  
 Section cross-reference(s): 54

FAN.CNT 1

	PATENT NO.	KIND	DATE	APPLICATION NO.	DATE
PI	JP 51133960	A2	19761120	JP 1975-58369	19750516
	JP 55041122	B4	19801022		
AB	.beta.- <b>Cyclodextrin</b> (I) [7585-39-9] was used as a defoaming agent for <b>detergents</b> or for the flotation of limonite [1317-63-1]. Thus, 1 kg cotton underwear was washed with 40 g <b>detergent</b> contg. linear alkylbenzenesulfonate 20, Na tripolyphosphate (II) 18, Na <b>silicate</b> 8, Na <sub>2</sub> CO <sub>3</sub> 5, soap 1, <b>water</b> 10, and Na <sub>2</sub> SO <sub>4</sub> 38% and rinsed with 30 L <b>water</b> contg. 20 g defoaming compn. (I 20, corn starch 25, Na <sub>2</sub> SO <sub>4</sub> 45, and II 10%).				
ST	cyclodextrin defoaming agent <b>detergent</b> ; limonite flotation defoaming agent				
IT	Antifoaming agents (cyclodextrin, for <b>detergents</b> )				
IT	<b>Detergents</b> (defoaming agents for, cyclodextrin as)				
IT	7585-39-9 RL: USES (Uses) (defoaming agents, for <b>detergents</b> )				
IT	1317-63-1P RL: PREP (Preparation) (flotation of, defoaming agents for)				

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=> d 1-9 18 ti

L8 ANSWER 1 OF 9 CA COPYRIGHT 2002 ACS

TI Preparation of micron-size felodipine particles by microfluidization

L8 ANSWER 2 OF 9 CA COPYRIGHT 2002 ACS

TI Ink-jet recording material

L8 ANSWER 3 OF 9 CA COPYRIGHT 2002 ACS

TI Process for preparing polymers from hydrophobic monomers having reduced suspension **particle size**

L8 ANSWER 4 OF 9 CA COPYRIGHT 2002 ACS

TI Formulating granular matrixes by precipitation of polymers in an acidic medium

L8 ANSWER 5 OF 9 CA COPYRIGHT 2002 ACS

TI Emulsifier-free finely dispersed systems of the oil-in-water or water-in-oil type

L8 ANSWER 6 OF 9 CA COPYRIGHT 2002 ACS

TI Particles, in particular micro- or nanoparticles, of crosslinked mono- and oligosaccharides, their production, and cosmetic, pharmaceutical, or food compositions containing them

L8 ANSWER 7 OF 9 CA COPYRIGHT 2002 ACS

TI Poly(acrylic acid) microspheres containing .beta.-cyclodextrin: loading and in vitro release of two dyes

L8 ANSWER 8 OF 9 CA COPYRIGHT 2002 ACS

TI Lyophilized, active agent-containing emulsion for intravenous administration

L8 ANSWER 9 OF 9 CA COPYRIGHT 2002 ACS

TI Coating composition and its preparation process without using solvents

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=> d 1-21 110 ti

L10 ANSWER 1 OF 21 CA COPYRIGHT 2002 ACS

TI Multifunctional granulated pellet aid and process

L10 ANSWER 2 OF 21 CA COPYRIGHT 2002 ACS

TI Preparative chiral separations

L10 ANSWER 3 OF 21 CA COPYRIGHT 2002 ACS

TI Interaction of sulfonated ruthenium(II) polypyridine complexes with surfactants probed by luminescence spectroscopy

L10 ANSWER 4 OF 21 CA COPYRIGHT 2002 ACS

TI **Detergent** composition having **granular cyclodextrin**

L10 ANSWER 5 OF 21 CA COPYRIGHT 2002 ACS

TI Study of IgM aggregation in serum of patients with macroglobulinemia

L10 ANSWER 6 OF 21 CA COPYRIGHT 2002 ACS

TI **Detergents** containing granulated perfumes

L10 ANSWER 7 OF 21 CA COPYRIGHT 2002 ACS

TI Pharmaceutical composition of hedgehog proteins and use thereof.

L10 ANSWER 8 OF 21 CA COPYRIGHT 2002 ACS

TI Method for the determination of alkaline phosphatase and its derivatives used in histochemical and immunohistochemical processes with dyes and additives

L10 ANSWER 9 OF 21 CA COPYRIGHT 2002 ACS

TI Determination of surfactants by capillary electrophoresis

L10 ANSWER 10 OF 21 CA COPYRIGHT 2002 ACS

TI Dryer-activated laundry additive compositions with color care agents

L10 ANSWER 11 OF 21 CA COPYRIGHT 2002 ACS

TI Preventing emissions of volatile compounds by additives

L10 ANSWER 12 OF 21 CA COPYRIGHT 2002 ACS

TI Dual coating process for producing a particulate laundry additive composition for perfume delivery having improved physical properties

L10 ANSWER 13 OF 21 CA COPYRIGHT 2002 ACS

TI Process for producing a particulate laundry additive for perfume delivery having improved physical properties

L10 ANSWER 14 OF 21 CA COPYRIGHT 2002 ACS

TI Influence of additives on the biohydroxylation of protected carboxylic acids and ketones

L10 ANSWER 15 OF 21 CA COPYRIGHT 2002 ACS

TI Process for producing a particulate laundry additive composition for perfume delivery

L10 ANSWER 16 OF 21 CA COPYRIGHT 2002 ACS

TI Cyclodextrins in fabric care consumer products



L10 ANSWER 17 OF 21 CA COPYRIGHT 2002 ACS  
TI Polypeptide-containing pharmaceutical forms of administration in the form of microparticles

L10 ANSWER 18 OF 21 CA COPYRIGHT 2002 ACS  
TI Quantitative evaluation of human leukocyte interferon-.alpha. entrapped in liposomes

L10 ANSWER 19 OF 21 CA COPYRIGHT 2002 ACS  
TI Additives for enhancing chemiluminescent assays using 1,2-dioxetanes as substrates

L10 ANSWER 20 OF 21 CA COPYRIGHT 2002 ACS  
TI Chiral separations of basic drugs and quantitation of bupivacaine enantiomers in serum by capillary electrophoresis with modified cyclodextrin buffers

L10 ANSWER 21 OF 21 CA COPYRIGHT 2002 ACS  
TI **Detergent** composition containing granules of a perfume-containing clathrate compound

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L10 ANSWER 6 OF 21 CA COPYRIGHT 2002 ACS  
AN 132:170848 CA  
TI **Detergents** containing granulated perfumes  
IN Lou, Liangshui; Hu, Nengdi; Jiang, Ligang; Gu, Hangjing  
PA Gaochuang Science & Technology Development Co., Ltd., Zhejiang, Peop.  
Rep.

China  
SO Faming Zhuanli Shenqing Gongkai Shuomingshu, 8 pp.  
CODEN: CNXXEV

DT Patent  
LA Chinese

FAN.CNT 1

	PATENT NO.	KIND	DATE	APPLICATION NO.	DATE
	-----	---	-----	-----	-----
PI	CN 1188143	A	19980722	CN 1997-106224	19970113

L10 ANSWER 10 OF 21 CA COPYRIGHT 2002 ACS  
AN 129:232344 CA  
TI Dryer-activated laundry additive compositions with color care agents  
IN Godfroid, Robert Allen; Wu, Ronghui; Littig, Janet Sue; Corona, Alessandro, III; Sivik, Mark Robert; Hartman, Fred Anthony; Honsa, Sandra Louise; Ditullio, Daniel Dale, Jr.  
PA The Procter & Gamble Co., USA  
SO U.S., 10 pp.

CODEN: USXXAM

DT Patent  
LA English

FAN.CNT 2

	PATENT NO.	KIND	DATE	APPLICATION NO.	DATE
	-----	---	-----	-----	-----
PI	US 5804547	A	19980908	US 1997-993676	19971218
	US 5942486	A	19990824	US 1998-112614	19980709
PRAI	US 1997-38904P	P	19970228		
	US 1997-993676	A3	19971218		
OS	MARPAT 129:232344				

L10 ANSWER 12 OF 21 CA COPYRIGHT 2002 ACS  
AN 128:231875 CA  
TI Dual coating process for producing a particulate laundry additive composition for perfume delivery having improved physical properties  
IN Surutzidis, Athanasios; Leblanc, Michael Jude  
PA Procter & Gamble Company, USA; Surutzidis, Athanasios; Leblanc, Michael Jude

SO PCT Int. Appl., 35 pp.  
CODEN: PIXXD2

DT Patent  
LA English

FAN.CNT 1

	PATENT NO.	KIND	DATE	APPLICATION NO.	DATE
	-----	---	-----	-----	-----
PI	WO 9812298	A2	19980326	WO 1997-US15630	19970910
	W: BR, CA, CN, JP, MX, US				
	RW: AT, BE, CH, DE, DK, ES, FI, FR, GB, GR, IE, IT, LU, MC, NL, PT,				
SE	CN 1238006	A	19991208	CN 1997-199809	19970910
	JP 2000503708	T2	20000328	JP 1998-514700	19970910
	BR 9713200	A	20000404	BR 1997-13200	19970910

PRAI US 1996-26931P P 19960918  
WO 1997-US15630 W 19970910

L10 ANSWER 13 OF 21 CA COPYRIGHT 2002 ACS

AN 128:76849 CA

TI Process for producing a particulate laundry additive for perfume delivery  
having improved physical properties

IN Angell, John Waynforth; Cutter, Gary Ray; Perkis, David Frederick

PA Procter and Gamble Company, USA; Angell, John Waynforth; Cutter, Gary  
Ray;

Perkis, David Frederick

SO PCT Int. Appl., 43 pp.

CODEN: PIXXD2

DT Patent

LA English

FAN.CNT 1

	PATENT NO.	KIND	DATE	APPLICATION NO.	DATE
	-----	----	-----	-----	-----
PI	WO 9747720	A2	19971218	WO 1997-US9972	19970610
	WO 9747720	A3	19980305		
	W:	AL, AM, AT, AU, AZ, BA, BB, BG, BR, BY, CA, CH, CN, CU, CZ, DE, DK, EE, ES, FI, GB, GE, GH, HU, IL, IS, JP, KE, KG, KP, KR, KZ, LC, LK, LR, LS, LT, LU, LV, MD, MG, MK, MN, MW, MX, NO, NZ, PL, PT, RO, RU, SD, SE, SG, SI, SK, TJ, TM, TR, TT, UA, UG, US, UZ, VN, YU, AM, AZ, BY, KG, KZ, MD, RU, TJ, TM			
	RW:	GH, KE, LS, MW, SD, SZ, UG, AT, BE, CH, DE, DK, ES, FI, FR, GB, GR, IE, IT, LU, MC, NL, PT, SE, BF, BJ, CF, CG, CI, CM, GA, GN, ML, MR, NE, SN, TD, TG			
	CA 2257987	AA	19971218	CA 1997-2257987	19970610
	AU 9734805	A1	19980107	AU 1997-34805	19970610
	EP 912702	A2	19990506	EP 1997-931081	19970610
	R:	AT, BE, CH, DE, DK, ES, FR, GB, GR, IT, LI, LU, NL, SE, PT, IE,			
FI	BR 9709698	A	19990810	BR 1997-9698	19970610
	CN 1227599	A	19990901	CN 1997-196998	19970610
	JP 11513062	T2	19991109	JP 1997-501748	19970610
PRAI	US 1996-19689P	P	19960611		
	WO 1997-US9972	W	19970610		

L10 ANSWER 15 OF 21 CA COPYRIGHT 2002 ACS

AN 127:150418 CA

TI Process for producing a particulate laundry additive composition for  
perfume delivery

IN Angell, Adrian J. W.; Surutzidis, Athanasios; Kvietok, Frank A.; Perkis,  
David F.

PA Procter & Gamble Company, USA

SO U.S., 17 pp.

CODEN: USXXAM

DT Patent

LA English

FAN.CNT 1

	PATENT NO.	KIND	DATE	APPLICATION NO.	DATE
	-----	----	-----	-----	-----
PI	US 5648328	A	19970715	US 1996-595887	19960206
	CA 2245572	AA	19970814	CA 1997-2245572	19970124
	WO 9729177	A1	19970814	WO 1997-US1207	19970124
	W:	AL, AM, AT, AU, AZ, BA, BB, BG, BR, BY, CA, CH, CN, CU, CZ, DE, DK, EE, ES, FI, GB, GE, HU, IL, IS, JP, KE, KG, KP, KR, KZ, LC,			

LK, LR, LS, LT, LU, LV, MD, MG, MK, MN, MW, MX, NO, NZ, PL, PT,  
 RO, RU, SD, SE, SG, SI, SK, TJ, TM, TR, TT, UA, UG, UZ, VN, AM,  
 AZ, BY, KG, KZ, MD, RU, TJ, TM  
 RW: KE, LS, MW, SD, SZ, UG, AT, BE, CH, DE, DK, ES, FI, FR, GB, GR,  
 IE, IT, LU, MC, NL, PT, SE, BF, BJ, CF, CG, CI, CM, GA, GN, ML,  
 MR, NE, SN, TD, TG

AU 9718394	A1	19970828	AU 1997-18394	19970124
JP 11504066	T2	19990406	JP 1997-528531	19970124
CN 1214728	A	19990421	CN 1997-193312	19970124
BR 9707372	A	19990720	BR 1997-7372	19970124
EP 996703	A1	20000503	EP 1997-903970	19970124

R: AT, BE, CH, DE, DK, ES, FR, GB, GR, IT, LI, LU, NL, SE, PT, IE,

FI

ZA 9700945	A	19970805	ZA 1997-945	19970205
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PRAI US 1996-595887 A 19960206

WO 1997-US1207 W 19970124

L10 ANSWER 16 OF 21 CA COPYRIGHT 2002 ACS  
 AN 126:226730 CA  
 TI Cyclodextrins in fabric care consumer products  
 AU Trinh, Toan  
 CS The Procter and Gamble Company, Sharon Woods Technical Center,  
 Cincinnati,  
 OH, 45241, USA  
 SO Proceedings of the International Symposium on Cyclodextrins, 8th,  
 Budapest, Mar. 31-Apr. 2, 1996 (1996), 541-546. Editor(s): Szejtli, J.;  
 Szente, L. Publisher: Kluwer, Dordrecht, Neth.  
 CODEN: 64CDAL  
 DT Conference  
 LA English

L10 ANSWER 21 OF 21 CA COPYRIGHT 2002 ACS  
 AN 111:156508 CA  
 TI **Detergent** composition containing granules of a  
 perfume-containing clathrate compound  
 IN Nebashi, Tutomu; Yabe, Shinichi; Sai, Fumio; Izumi, Yu; Fujieda, Takashi  
 PA Kao Corp., Japan  
 SO Eur. Pat. Appl., 12 pp.  
 CODEN: EPXXDW  
 DT Patent  
 LA English

FAN.CNT 1

	PATENT NO.	KIND	DATE	APPLICATION NO.	DATE
PI	EP 325457	A2	19890726	EP 1989-300506	19890119
	EP 325457	A3	19900411		
	EP 325457	B1	19950104		
	R: DE, ES, FR, GB, IT				
	JP 01185399	A2	19890724	JP 1988-9163	19880119
	JP 01193397	A2	19890803	JP 1988-19254	19880129
	US 4992198	A	19910212	US 1989-297842	19890113
	ES 2065984	T3	19950301	ES 1989-300506	19890119
PRAI	JP 1988-9163		19880119		
	JP 1988-19254		19880129		

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L14 ANSWER 31 OF 41 CA COPYRIGHT 2002 ACS  
 AN 113:26011 CA  
 TI Powdered laundry **detergent** compositions  
 IN Yabe, Shinichi; Nehashi, Tsutomu; Sai, Fumio  
 PA Kao Corp., Japan  
 SO Jpn. Kokai Tokkyo Koho, 4 pp.

CODEN: JKXXAF

DT Patent

LA Japanese

IC ICM C11D003-22

ICS C11D010-04

CC 46-5 (Surface Active Agents and Detergents)

FAN.CNT 1

	PATENT NO.	KIND	DATE	APPLICATION NO.	DATE
PI	JP 02034693	A2	19900205	JP 1988-183174	19880722
	JP 2513794	B2	19960703		
AB	Compns. with improved rinsing properties comprise synthetic anionic surfactants as principal cleaning agents, higher fatty acid salts 1-6, polyoxyethylene monoalkyl ethers (av. no. of oxyethylene units 8-20) 0.5-6, and <b>cyclodextrins</b> 0.1-5%. Thus, a compn. contg. Na dodecylbenzenesulfonate 16, C12-14 secondary alc.-ethylene oxide (12 mol) adducts 2.5, hydrogenated tallow alkyl fatty acid Na salts (I) 5, Celdex				
N	1, Na2CO3 10.0, Na <b>silicate</b> 7.5, <b>zeolite</b> 4A 30.0, polyethylene glycol 1.0, CM-cellulose 1.2, Tinopal CBS 0.3, alkali protease 1.0, H2O 4.5%, and the balance Na2SO4 showed good rinsability, vs. poor for a control without I.				
ST	rinsing property powd laundry <b>detergent</b> ; fatty acid salt laundry <b>detergent</b> ; cyclodextrin laundry <b>detergent</b> rinsing property; polyoxyethylene alkyl ether laundry <b>detergent</b>				
IT	<b>Detergents</b> (laundry, granular, contg. higher fatty acid salts and polyoxyethylene alkyl ethers and cyclodextrins, with improved rinsing properties)				
IT	Fatty acids, compounds RL: TEM (Technical or engineered material use); USES (Uses) (tallow, hydrogenated, sodium salts, laundry <b>detergents</b> contg., with improved rinsing property)				
IT	7585-39-9, Celdex N 25322-68-3D, Polyethylene oxide, alkyl ethers RL: TEM (Technical or engineered material use); USES (Uses) (laundry <b>detergents</b> contg., with improved rinsing property)				

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L14 ANSWER 34 OF 41 CA COPYRIGHT 2002 ACS

AN 112:58821 CA

TI Powder laundry **detergent** compositions containing odor-masking  
perfume

IN Nehashi, Tsutomu; Yabe, Shinichi; Sai, Fumio; Izumi, Ju; Fujeda, Takashi

PA Kao Corp., Japan

SO Jpn. Kokai Tokkyo Koho, 5 pp.

CODEN: JKXXAF

DT Patent

LA Japanese

IC ICM C11D003-50

ICS C11D017-06

CC 46-5 (Surface Active Agents and Detergents)

Section cross-reference(s): 62

FAN.CNT 1

	PATENT NO.	KIND	DATE	APPLICATION NO.	DATE
	-----	----	-----	-----	-----
PI	JP 01190796	A2	19890731	JP 1988-16283	19880127
	JP 2506887	B2	19960612		

AB The title compns. which mask odor from laundry in repeated use comprise anionic surfactants 10-60, **detergent** builders 30-80, PEG 0.5-5, and perfume-contg. granulated powders 0.1-5%. Stirring 2.5 g perfume blend contg. .alpha.-pinene, limonene, linalool, benzyl acetate, linalyl acetate, and citral with an aq. soln. contg. 18.0 g Celldex N (.beta.-**cyclodextrin**) for 3 h gave 20 g perfume-contg. powder which (50 parts) was blended with 25 parts PEG and 25% Na<sub>2</sub>SO<sub>4</sub>, pelletized, and crushed to give granules (av. size 670 .mu.m). The granules (2.0 parts

as

total perfume) were mixed with a powd. compn. prepd. by spraying phenethyl

alc., .alpha.-methylionone, and cedrol on a powd. **detergent**

contg. Na dodecylbenzenesulfonate 12.5, Softanol 120 3.0, tallow soap

2.8,

Na<sub>2</sub>CO<sub>3</sub> 10.0, Na **silicate** 9.5, **zeolite** 4A 23.5, PEG 2, CMC 1.5, Tinopal CBS 0.35, and H<sub>2</sub>O 4.5%, the balance being Na<sub>2</sub>SO<sub>4</sub>.

ST laundry **detergent** powder perfume; perfume stability laundry

**detergent**; encapsulation perfume laundry **detergent**;

cyclodextrin carrier perfume **detergent**; polyethylene glycol

perfume **detergent**

IT Perfumes and Essences

(encapsulated, for powd. laundry **detergents**, stable)

IT Encapsulation

(of perfume, for powd. laundry **detergents**)

IT Zeolites, uses and miscellaneous

RL: USES (Uses)

(4A, laundry **detergent** powder contg. encapsulated perfume

and, stable)

IT **Detergents**

(laundry, granular, encapsulated perfume for)

IT 25322-68-3, Polyethylene glycol

RL: USES (Uses)

(encapsulated perfume granules contg., for laundry **detergents**

)

IT 7585-39-9, .beta.-Cyclodextrin

RL: USES (Uses)

(encapsulation by, of perfume, for laundry **detergent**, Celldex

N)

IT 497-19-8, Sodium carbonate, uses and miscellaneous 6834-92-0  
 7757-82-6, Sodium sulfate, uses and miscellaneous 25155-30-0, Sodium  
 dodecylbenzenesulfonate  
 RL: USES (Uses)  
 (laundry **detergent** powders contg. encapsulated perfume and,  
 stable)

IT 78-70-6, Linalool 80-56-8, .alpha.-Pinene 115-95-7, Linalyl acetate  
 138-86-3, Limonene 140-11-4, Benzyl acetate 5392-40-5, Citral  
 RL: USES (Uses)  
 (perfume contg., encapsulated, stable, for powd. **detergent**)

IT 1335-30-4  
 RL: USES (Uses)  
 (zeolites, 4A, laundry **detergent** powder contg. encapsulated  
 perfume and, stable)

=>

L14 ANSWER 34 OF 41 CA COPYRIGHT 2002 ACS

AN 112:58821 CA

TI Powder laundry **detergent** compositions containing odor-masking  
perfume

IN Nehashi, Tsutomu; Yabe, Shinichi; Sai, Fumio; Izumi, Ju; Fujeda, Takashi

PA Kao Corp., Japan

SO Jpn. Kokai Tokkyo Koho, 5 pp.

CODEN: JKXXAF

DT Patent

LA Japanese

IC ICM C11D003-50

ICS C11D017-06

CC 46-5 (Surface Active Agents and Detergents)

Section cross-reference(s): 62

FAN.CNT 1

	PATENT NO.	KIND	DATE	APPLICATION NO.	DATE
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PI	JP 01190796	A2	19890731	JP 1988-16283	19880127
	JP 2506887	B2	19960612		

AB The title compns. which mask odor from laundry in repeated use comprise anionic surfactants 10-60, **detergent** builders 30-80, PEG 0.5-5, and perfume-contg. granulated powders 0.1-5%. Stirring 2.5 g perfume blend contg. .alpha.-pinene, limonene, linalool, benzyl acetate, linalyl acetate, and citral with an aq. soln. contg. 18.0 g Celldex N (.beta.-**cyclodextrin**) for 3 h gave 20 g perfume-contg. powder which (50 parts) was blended with 25 parts PEG and 25% Na<sub>2</sub>SO<sub>4</sub>, pelletized, and crushed to give granules (av. size 670 .mu.m). The granules (2.0 parts

as

total perfume) were mixed with a powd. compn. prepd. by spraying phenethyl

alc., .alpha.-methylionone, and cedrol on a powd. **detergent** contg. Na dodecylbenzenesulfonate 12.5, Softanol 120 3.0, tallow soap

2.8,

Na<sub>2</sub>CO<sub>3</sub> 10.0, Na **silicate** 9.5, **zeolite** 4A 23.5, PEG 2, CMC 1.5, Tinopal CBS 0.35, and H<sub>2</sub>O 4.5%, the balance being Na<sub>2</sub>SO<sub>4</sub>.

ST laundry **detergent** powder perfume; perfume stability laundry **detergent**; encapsulation perfume laundry **detergent**; cyclodextrin carrier perfume **detergent**; polyethylene glycol perfume **detergent**

IT Perfumes and Essences

(encapsulated, for powd. laundry **detergents**, stable)

IT Encapsulation

(of perfume, for powd. laundry **detergents**)

IT Zeolites, uses and miscellaneous

RL: USES (Uses)

(4A, laundry **detergent** powder contg. encapsulated perfume and, stable)

IT **Detergents**

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RL: USES (Uses)

(encapsulated perfume granules contg., for laundry **detergents**)

IT 7585-39-9, .beta.-Cyclodextrin

RL: USES (Uses)

(encapsulation by, of perfume, for laundry **detergent**, Celldex N)



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 138-86-3, Limonene 140-11-4, Benzyl acetate 5392-40-5, Citral  
 RL: USES (Uses)  
 (perfume contg., encapsulated, stable, for powd. **detergent**)

IT 1335-30-4  
 RL: USES (Uses)  
 (zeolites, 4A, laundry **detergent** powder contg. encapsulated  
 perfume and, stable)

=>

L17 4 CYCLODEXTRIN#(P)(INORGANIC OR SULFATE# OR SULPHATE# OR  
CARBONATE  
# OR SODA ASH OR SILICATE# OR ZEOLITE# OR ALUMINOSILICATE# OR  
PHOSPHATE# OR SILICA OR CLAY OR CITRATE# OR PERBORATE# OR  
TALC) (  
P)(SIZE# OR MICRON# OR MM)(P)DETERGENT#

=> d 1-4 117 ti

L17 ANSWER 1 OF 4 USPATFULL  
TI Detergent compositions comprising a cyclodextrin glucanotransferase  
enzyme and a detergent ingredient

L17 ANSWER 2 OF 4 USPATFULL  
TI Fluorescent whitening agent

L17 ANSWER 3 OF 4 USPATFULL  
TI Process for producing dryer-added fabric softener sheets containing  
cyclodextrin complexes

L17 ANSWER 4 OF 4 USPATFULL  
TI Separation of cyclodextrins by affinity chromatography

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